



Manufacturing in Virginia

SIC 34 Fabricated Metal Products



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Overall Assessment

- Industry added fourth largest number of manufacturing jobs in Virginia since 1949; third largest nationally.
- Industry had third fastest percentage growth rate in Virginia from 1949 to 2000, fourth fastest from 1969 to 2000.

Employment

	Virginia		U.S.	
	Employment	Rank	Employment	Rank
1949	5,800	12	936,000	6
1969	11,800	12	1,665,600	5
2000	17,100	11	1,532,400	6

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment Trends

Absolute Employment Growth

	Virginia		U.S.	
	Absolute Employment Change	Rank	Absolute Employment Change	Rank
1949-2000	+11,300	4	+596,400	3
1949-1969	+6,000	9	+729,600	2
1969-2000	+5,300	5	-133,200	12

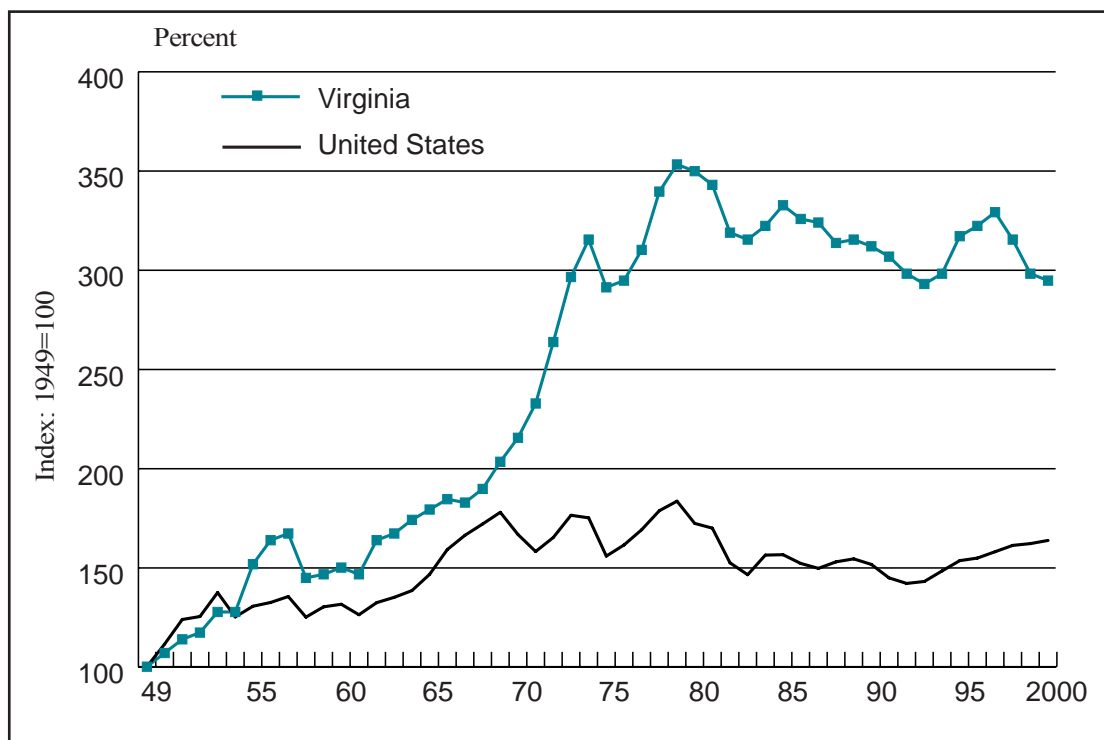
Source: U.S. Department of Labor, Bureau of Labor Statistics.

Relative Employment Growth

Virginia Annual Average Growth Rates						
	Growth Rate 1949-2000	Rank	Growth Rate 1949-69	Rank	Growth Rate 1969-2000	Rank
Fabricated Metal Products						
Virginia	2.1%	3	3.6%	6	1.2%	4
U.S.	1.0%	4	2.9%	1	-0.3%	9
Nonagricultural Employment	3.0%		3.1%		2.9%	
Manufacturing	1.1%		2.6%		0.2%	
Durable Goods	2.0%		3.7%		1.0%	

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment Change 1949-2000



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Establishments

Number of Establishments

	Virginia		U.S.	
	Establishment	Rank	Establishments	Rank
Fabricated Metal Products	407	4	39,074	4
Manufacturing	6,908	--	413,506	--
Fabricated Metal Products as a % of Mfg.	5.9%		9.4%	

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment per Establishment

	Virginia		U.S.	
	Employment	Rank	Employment	Rank
Fabricated Metal Products	43	13	39	14
Manufacturing	57	--	45	--

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Payroll

Payroll per Employee

	Virginia		U.S.	
	Payroll per Employee	Rank	Payroll per Employee	Rank
Fabricated Metal Products	\$37,644	9	\$36,632	12
Manufacturing	\$35,767	--	\$41,941	--
Fabricated Metal Products as a % of Mfg.	105.2%		87.3%	

Source: U.S. Department of Labor, Bureau of Labor Statistics.

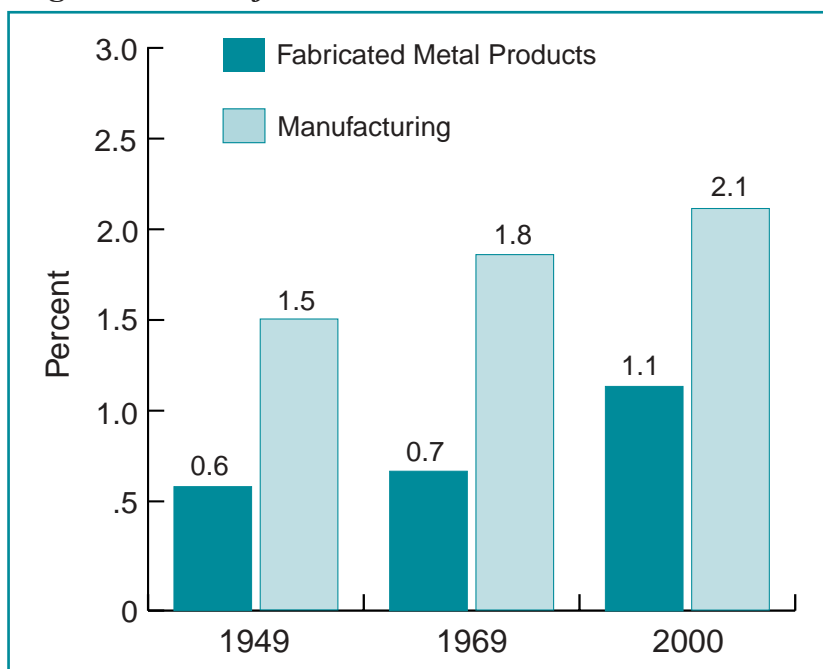
Exports

Virginia Exports		
	Fabricated Metal Products	Manufacturing
2000	\$431,630,000	\$9,395,636,000
1995	\$313,597,000	\$9,294,115,000
Export Growth, 1995-2000	37.6%	1.1%
Share of Manufactured Goods Exports, 2000	4.6%	--

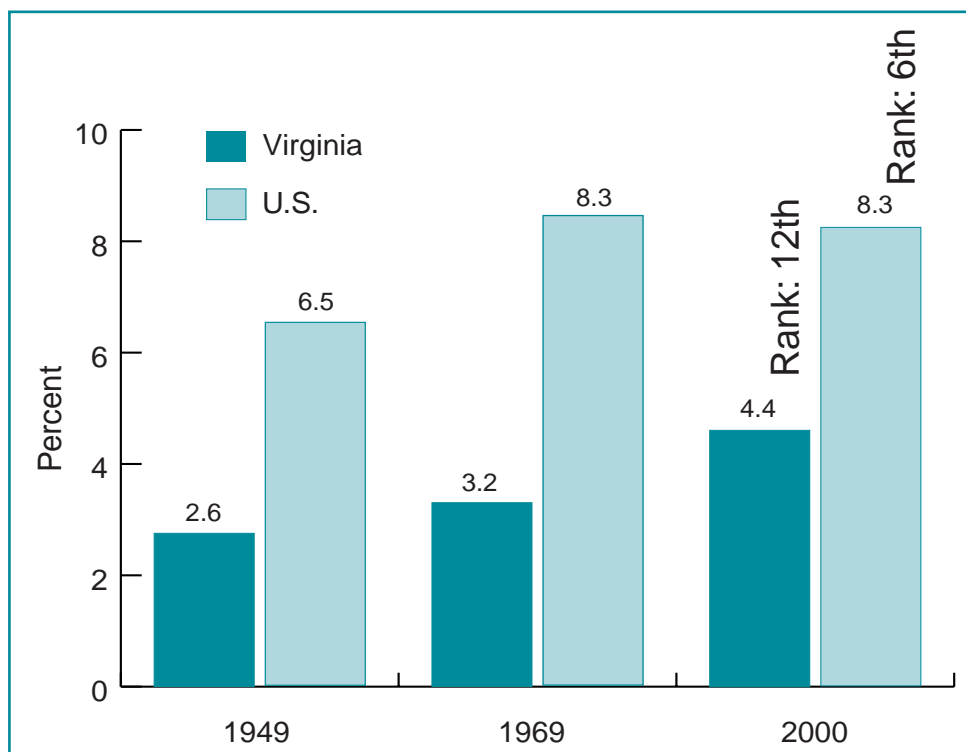
Source: U.S. Department of Commerce.

Industry Importance

Virginia's Share of National Fabricated Metal Products Industry



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Industry's Share of Manufacturing Employment

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Industry Trends

Virginia employment distribution: fabricated structural metal products (56 percent); miscellaneous fabricated metal products (14 percent); cutlery, handtools, and hardware (7 percent); metal cans and shipping containers (6 percent); metal services, nec (5 percent); and metal forgings and stampings (5 percent).

- The strength of the fabricated metal products industry is dependent on two diverse industries - the construction industry and the automotive and transportation industry. In Virginia, fabricated metal products is most affected by trends in the construction industry.
- With freight costs a major element of product price, firms producing fabricated structural metal products tend to focus on local markets. In Virginia, the construction industry and overall economy performed very well during the past 30 years, and the fabricated structural metals segment prospered accordingly.
- As with many industries improvements in technology have increased production and quality and lessened cost.
- Foreign metal fabricators have established themselves as major competitors of U.S. and Virginia metal fabricators, especially in the markets for pressure vessels and large metal vessels for chemicals and nuclear materials.